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(54) INTERLAYER FOR LAMINATED GLASS

(57) Abstract:

PURPOSE: To improve the sound insulation and optical strain of the laminated glass by using a laminated film composed of specific two kinds of polyvinyl acetal resin as an interlayer.

CONSTITUTION: A polyvinyl alcohol having 500-3000 of average polymerization degree and 78-92% of saponification degree is reacted with a 4-6C aldehyde to obtain a polyvinyl acetal resin having 40mol% or higher of acetalization degree, and 100 pts.wt. of this resin is kneaded with 35-65 pts.wt. of a plasticizer to obtain a resin film (A) having thickness of ≈ 0.05 mm. Besides, a

polyvinyl alcohol having average polymerization degree of 500-3000 and saponification degree of $\approx 96\%$ is reacted with a 3-4C aldehyde to obtain a polyvinyl acetal resin having ≈ 50 mol% of acetalization degree, and 100 pts.wt. of this resin is kneaded with 25-55 pts.wt. of a plasticizer to obtain a resin film (B). It is preferable that the objective interlayer be made up of a sum of two or more layers of the films A and B (esp. B/A/B construction); the interlayer is so constituted as to be 0.3-1.6mm in the overall thickness and also that the thicknesses of A and B are 9-25% and ≈ 0.2 mm of a total respectively.

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